



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/620,116
Filing Date	July 15, 2003
First Named Inventor	Eric J. Horvitz
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	MS127735.2/MSFTP263USA

Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
IW		US- 5,864,848	01-26-1999	Horvitz	
IW		US- 5,634,084	05-27-1997	Malsheen, et al.	
IW		US- 5,907,839	05-25-1999	Roth	
IW		US- 5,950,187	09-07-1999	Tsuda	
IW		US- 6,021,403	02-01-2000	Horvitz	
IW		US- 6,067,565	01-15-1998	Horvitz	
IW		US- 6,182,059	01-30-2001	Angotti, et al.	
IW		US- 6,192,360	02-20-2001	Dumais, et al.	
IW		US- 6,327,581	12-04-2001	Platt	
IW		US- 6,411,930	06-25-2002	Burges	
IW		US- US-2002/0002450	01-2002	Nunberg, et al.	
IW		US- 09/007,894	01-15-1998	Horvitz	
		US- 09/055,477	04-06-1998	Platt	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

/Isaac Woo/

Date
Considered

08/03/2006

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IW		J. BREESE, et al., Empirical Analysis of Predictive Algorithms for Collaborative Filtering, in Proceedings of the 14th Conference on Uncertainty in Artificial Intelligence, 1998, pp. 43-52, AUA, Morgan Kaufmann, San Francisco	
IW		M. CZERWINSKI, et al., Visualizing Implicit Queries for Information Management and Retrieval, in Proceedings of CHI'99, ACM SIGCHI Conference on Human Factors in Computing Systems, 1999, pp. 560-567, Ass'n for Computing Machinery, Pittsburgh, PA	
IW		S. DUMAIS, et al., Inductive Learning Algorithms and Representations for Text Categorization, in Proceedings of the 7th Internat'l. Conference on Information and Knowledge Mgmt., 1998, pp. 148-155, Ass'n. for Computing Machinery, ACM Press, NY	
IW		E. HORVITZ, Principles of Mixed-Initiative User Interfaces, in Proceedings of CHI'99, ACM SIGCHI Conference on Human Factors in Computing Systems, 1999, pp. 159-166, Ass'n. for Computing Machinery, Pittsburgh, PA	
IW		E. HORVITZ, et al., Display of Information for Time-Critical Decision Making, in Proceedings of the 11th Conference on Uncertainty in Artificial Intelligence, 1995, pp. 296-305, Montreal, Canada, Morgan Kaufmann, San Francisco	
IW		E. HORVITZ, et al., The Lumiere Project: Bayesian Use Modeling for Inferring the Goals and Needs of Software Users, in Proceedings of the 14th Conference on Uncertainty in Artificial Intelligence, 1998, pp. 256-265, Morgan Kaufmann, San Francisco	
IW		E. HORVITZ, et al., Time-Dependent Utility and Action Under Uncertainty, in Proceedings of the 7th Conference on Uncertainty in Artificial Intelligence, 1991, pp. 151-158, Morgan Kaufmann, San Francisco	
IW		E. HORVITZ, et al., Time-Critical Action: Representations and Application, in Proceedings of the 13th Conference on Uncertainty in Artificial Intelligence (UAI'97), 1997, pp. 250-257, Providence, RI, Morgan Kaufmann, San Francisco	
IW		D. KOLLER, et al., Toward Optimal Feature Selection, in Proceedings of the 13th Conference on Machine Learning, 1996, pp. 284-292, Morgan Kaufmann, San Francisco	
IW		H. LIEBERMAN, An Agent That Assist Web Browsing, in Proceedings of IJCAI-95, 1995, Montreal, Canada, Morgan Kaufmann, San Francisco	

Examiner Signature	/Isaac Woo/	Date Considered	08/03/2006
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IW		J. PLATT, Fast Training of Support Vector Machines Using Sequential Minimal Optimization, in Advances in Kernel Methods: Support Vector Learning, 1999, MIT Press, Cambridge, MA	
IW		J. PLATT, Probabilistic Outputs for Support Vector Machines and Comparison to Regularized Likelihood Methods, in Advances in Large Margin Classifiers, 1999, MIT Press, Cambridge, MA	
IW		M. SAHAMI, et al., A Bayesian Approach to Filtering Junk E-Mail, in Workshop on Learning for Text Categorization, AAAI Technical Report WS-98-05, 1998, American Association for Artificial Intelligence, AAAI	

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**SUPPLEMENTAL INFORMATION
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Sheet 2 of 5

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Application Number	10/620,116
Filing Date	7/15/2003
First Named Inventor	Eric Horvitz
Art Unit	2142
Examiner Name	Unknown
Attorney Docket Number	MS127735.2/MSFTP263USA

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
IW		US- 2001/0040590	11-15-2001	Abbott et al.	
IW		US- 2001/0043231	11-22-2001	Abbott et al.	
IW		US- 2002/0032689	03-14-2002	Abbott, III et al.	
IW		US- 2002/0052930	05-02-2002	Abbott et al.	
IW		US- 2002/0054130	05-09-2002	Abbott, III et al.	
IW		US- 2002/0078204	06-20-2002	Newell et al.	
IW		US- 2002/0080156	06-27-2002	Abbott et al.	
IW		US- 2002/0083158	06-27-2002	Abbott et al.	
IW		US- 2002/0099817	07-25-2002	Abbott et al.	
IW		US- 2003/0154476	08-14-2003	Abbott, III et al.	
IW		US- 5,812,865	09-22-1998	Theimer et al.	
IW		US- 5,555,376	09-10-1996	Theimer et al.	
IW		US- 5,611,050	03-11-1997	Theimer et al.	
IW		US- 5,544,321	08-06-1996	Theimer et al.	
IW		US- 5,603,054	02-11-1997	Theimer et al.	
IW		US- 5,493,692	02-20-1996	Theimer et al.	
		US-			
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IW		ANDY HARTER, et al., A Distributed Location System for the Active Office, IEEE Network, 1994, pp. 62-70.	
IW		GUANLING CHEN, et al., A Survey of Context-Aware Mobile Computing Research, Dartmouth Computer Science Technical Report, 2000, 16 pages.	
IW		WILLIAM NOAH SCHILT, A System Architecture for Context-Aware Mobile Computing, Columbia University, 1995, 153 pages.	
IW		MIKE SPREITZER, et al., Providing Location Information in a Ubiquitous Computing Environment, SIGOPS '93, 1993, pp.270-283.	
IW		MARVIN THEIMER, et al., Operating System Issues for PDAs, In Fourth Workshop on Workstation Operating Systems, 1993, 7 pages.	
IW		ROY WANT, Active Badges and Personal Interactive Computing Objects, IEEE Transactions on Consumer Electronics, 1992, 11 pages, Vol. 38 - No. 1.	
IW		BILL N. SCHILIT, et al., The ParcTab Mobile Computing System, IEEE WWOS-IV, 1993, 4 pages.	
IW		BILL SCHILIT, et al., Context-Aware Computing Applications, In Proceedings of the Workshop on Mobile Computing Systems and Applications, December 1994. pp. 85-90.	
IW		BILL N. SCHILIT, et al., Customizing Mobile Applications, Proceedings USENIX Symposium on Mobile and Location Independent Computing, August 1993, 9 pages.	
IW		MIKE SPREITZER, et al., Architectural Considerations for Scalable, Secure, Mobile Computing with Location Information, In The 14th International Conference on Distributed Computing Systems, June 1994, pages 29-38.	

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IW		MIKE SPREITZER et al., Scalable, Secure, Mobile Computing with Location Information, Communications of the ACM, July 1993, 1 page, Vol. 36 - No. 7.	
IW		ROY WANT, et al., The Active Badge Location System, ACM Transactions on Information Systems, January 1992, pp. 91-102, Vol. 10 - No. 1.	
IW		MARK WEISER, Some Computer Science Issues in Ubiquitous Computing, Communications of the ACM, July 1993, pp. 75-84, Vol. 36 - No. 7.	
IW		M. BILLINGHURST, et al., An Evaluation of Wearable Information Spaces, Proceedings of the Virtual Reality Annual International Symposium, 1998, 8 pages.	
IW		BRADLEY J. RHODES, Remembrance Agent: A continuously running automated information retrieval system, The Proceedings of The First International Conference on The Practical Application Of Intelligent Agents and Multi Agent Technology, 1996, pp. 487-495.	
IW		ERIC HORVITZ, et al., In Pursuit of Effective Handsfree Decision Support: Coupling Bayesian Inference, Speech Understanding, and User Models, 1995, 8 pages.	
IW		BRADLEY J. RHODES, The Wearable Remembrance Agent: A System for Augmented Theory, The Proceedings of The First International Symposium on Wearable Computers, October 1997, pp. 123-128.	
IW		ERIC HORVITZ, et al., Attention-Sensitive Alerting in Computing Systems, Microsoft Research, August 1999.	
IW		BILL N. SCHILIT, et al., Disseminating Active Map Information to Mobile Hosts, IEEE Network, 1994, pages 22-32, Vol. 8 - No. 5.	
IW		MARK BILLINGHURST, et al., Wearable Devices: New Ways to Manage Information, IEEE Computer Society, January 1999, pp. 57-64.	

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IW		BRADLEY J. RHODES, The Wearable Remembrance Agent: A System for Augmented Memory, Personal Technologies Journal Special Issue on Wearable Computing, 1997, 12 pages.	
IW		Workshop on Wearable Computing Systems, August 19-21, 1996.	
IW		MARK BILLINGHURST, Research Directions in Wearable Computing, University of Washington, May, 1998, 48 pages.	
IW		Mark Weiser, The Computer for the 21st Century, Scientific American, September 1991, pp. 94-104, Vol. 265 - No. 3.	

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PTO/SB/08a (08-03)

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**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/620,116
Filing Date	July 15, 2003
First Named Inventor	Eric J. Horvitz
Art Unit	2142
Examiner Name	Unknown
Attorney Docket Number	MS127735.02 / MSFTP263USA

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
IW		US- 6,557,036	04-29-2003	Kavacheri et al.	
IW		US- 6,421,709	07-16-2002	McCormick et al.	
IW		US- 6,147,977	11-14-2000	Thro et al.	
IW		US- 6,144,942	11-07-2000	Ruckdashel	
IW		US- 5,995,597	11-30-1999	Woltz et al.	
IW		US- 6,195,533	02-27-2001	Tkatch et al.	
IW		US- 6,216,165	04-10-2001	Woltz et al.	
IW		US- 6,233,430	05-15-2001	Helferich	
IW		US- 6,317,592	11-13-2001	Campana, Jr. et al.	
IW		US- 6,161,130	12-12-2000	Horvitz et al.	
IW		US- 6,101,531	08-08-2000	Eggleston et al.	
IW		US- 6,212,265	04-03-2001	Duphorne	
IW		US- 5,978,837	11-02-1999	Foladare et al.	
IW		US- 6,185,603	02-06-2001	Henderson et al.	
IW		US- 6,421,708	07-16-2002	Bettis	
IW		US- 6,189,027	02-13-2001	Haneda et al.	
IW		US- 6,424,995	07-23-2002	Shuman et al.	
IW		US- 6,442,589	08-27-2002	Takahashi et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
IW		WO 98/00787	01-08-1998	Manuel Zahariev		

Examiner
Signature

/Isaac Woo/

Date
Considered

08/03/2006

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**SUPPLEMENTAL INFORMATION
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Sheet 2 of 4

Complete if Known

Application Number	10/620,116
Filing Date	July 15, 2003
First Named Inventor	Eric J. Horvitz
Art Unit	2142
Examiner Name	Unknown
Attorney Docket Number	MS127735.02 / MSFTP263USA

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IW		US- 6,370,526	04-09-2002	Agrawal et al.	
IW		US- 6,513,026	01-28-2003	Horvitz et al.	
IW		US- 6,490,574	12-03-2002	Bennett et al.	
IW		US- 6,553,358	04-22-2003	Horvitz	
IW		US- 6,282,565	08-28-2001	Shaw et al.	
IW		US- 5,694,616	12-02-1997	Johnson et al.	
IW		US- 5,974,465	10-26-1999	Wong	
IW		US- 5,377,354	12-27-1994	Scannell et al.	
IW		US- 5,077,668	12-31-1991	Miwako Doi	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

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Signature

/Isaac Woo/

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Substitute for form 1449B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/620,116
				Filing Date	July 15, 2003
				First Named Inventor	Eric J. Horvitz
				Art Unit	2142
				Examiner Name	Unknown
Sheet	3	of	4	Attorney Docket Number	MS127735.02 / MSFTP263USA

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
IW		International Search Report dated September 22, 2003 mailed September 29, 2003 for PCT Application Serial No. PCT/US00/20685, 4 pages.		
IW		ROBERT M. LOSEE, JR., Minimizing Information Overload: The Ranking of Electronic Messages, Journal of Information Science, 1989, pp. 179-189, Vol. 15, Issue 3.		
IW		THORSTEN JOACHIMS, Text Categorization with Support Vector Machines: Learning with Many Relevant Features, 1998, 14 pages.		
IW		KENRICK MOCK, An Experimental Framework for Email Categorization and Management, Proceedings of the 24th Annual ACM SIGIR Conference, September 9-12, 2001, pp. 392-393, New Orleans, Louisiana, USA.		
IW		GARY BOONE, Concept Features in Re:Agent, an Intelligent Email Agent, Proceedings of the 2nd International Conference on Autonomous Agents, 1998, pp. 141-148, Minneapolis, MN, USA.		
IW		ELISABETH CRAWFORD et al., An Intelligent Interface for Sorting Electronic Mail, Proceedings of the 7th International Conference on Intelligent User Interfaces, January 13-16, 2002, pp. 182-183, San Francisco, California, USA.		
IW		DAVID HECKERMAN, A Tutorial on Learning With Bayesian Networks, Microsoft Research, November 1996, 57 pages.		
IW		WILLIAM W. COHEN, Learning the Rules that Classify E-Mail, AAAI Spring Symposium on ML and IR, 1996, accessed at http://www.cs.cmu.edu/~wcohen/postscript/aaai-ss-96.ps , 8 pages.		
IW		DAVID D. LEWIS, Evaluating and Optimizing Autonomous Text Classification Systems, International ACM-SIGIR Conference on Research and Development in Information Retrieval, 1995, pp. 246-254.		
IW		DAVID D. LEWIS et al., Training Algorithms for Linear Text Classifiers, SIGIR'96, 1996, 9 pages.		

Examiner Signature	/Isaac Woo/	Date Considered	08/03/2006
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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

4

of

4

Complete if Known

Application Number

10/620,116

Filing Date

July 15, 2003

First Named Inventor

Eric J. Horvitz

Art Unit

2142

Examiner Name

Unknown

Attorney Docket Number

MS127735.02 / MSFTP263USA

NON PATENT LITERATURE DOCUMENTS

[illegible]

**Examiner
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